

## slope intercept form

$$y = mx + b$$

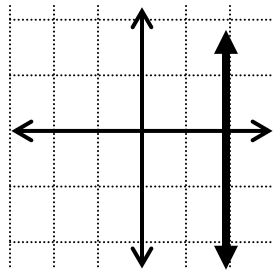
A linear equation where  $m$  is the slope and  $b$  is the y-intercept.

## direct variation

$$y = kx$$

A linear equation where the y-intercept is zero.

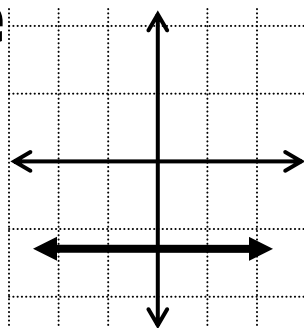
## undefined slope



Vertical line.

(cliff climbing slope)

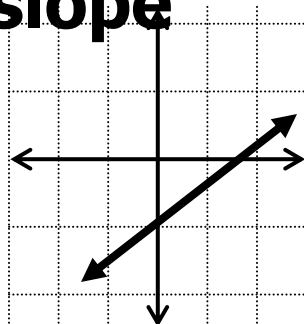
## zero slope



Horizontal line.

(easy walk)

## negative slope



Downhill.